

DECLARATION FOR PATENT APPLICATION

01S0419-1

As a below named inventor, I declare:
that I verily believe myself to be the original, first and sole (if only one individual inventor is listed below) or an original, first and joint inventor (if more than one individual inventor is listed below) of the invention in

EXPONENTIAL CONVERSION CIRCUIT AND VARIABLE GAIN CIRCUIT

the specification of which is attached hereto unless the following box is checked.

☒ was filed on September 13, 2001 as United States Application
or PCT International Application No. 09/952,639 and
was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information of which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365 (b) of any foreign application(s) for patent or inventor's certificate, or 35 U.S.C. 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

| <u>Country</u> | <u>Category</u> | <u>Application No.</u> | <u>Filing Date</u> | <u>Priority Claim</u> |
|----------------|-----------------|------------------------|--------------------|-----------------------|
| Japan | Patent | 2000-280829 | September 14, 2000 | Yes |

And I hereby appoint Barry N. Young (Reg. No. 27,774), Timothy W. Lohse (Reg. No. 35,255), David F. Keinsmith (Reg. No. 40,050), Stephen E. Reiter (Reg. No. 31,192), Wayne P. Sobon (Reg. No. 32,438), Robroy R. Fawcett (Reg. No. 35,133), Steven R. Sprinkle (Reg. No. 40,825), William N. Hulsey III (Reg. No. 33,402), Terrance A. Meador (Reg. No. 30,298), John Schlicher (Reg. No. 28,343), June M. Learn (Reg. No. 31,238), John Oskorep (Reg. No. 41,234), Timothy N. Ellis (Reg. No. 41,734), David R. Stevens (Reg. No. 38,626), William G. Goldman (Reg. No. 42,590), Derek Westberg (Reg. No. 40,872), Alan A. Limbach (Reg. No. 39,749), Edward B. Weller (Reg. No. 37,468), Ronald L. Yin (Reg. No. 27,607), and George C. Limbach (Reg. No. 19,305) each of whose address is Patent Department-HV, 3340 Hillview Avenue, Palo Alto, Calif. 94304, or any one of them, my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent & Trademark Office connected therewith, and request that correspondence be directed to Gray Cary Ware & Freidenrich L.L.P., Patent Department-HV, 3340 Hillview Avenue, Palo Alto, California 94304.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

DECLARATION FOR PATENT APPLICATION

I declare further that my mailing address is at c/o _____
 Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, --1-1 Shibaura
 1-chome, Minato-ku, Tokyo 105-8001, Japan; and
 that my citizenship and residence are as stated below next to my name:

Inventor: (Signature)

Date

Residence

Date: SEP. 10. 2001

Nobuo Kanou

Citizen of: Japan

Tokyo, Japan

Nobuo Kanou

Date: SEP. 10. 2001

Takafumi Yamaji

Citizen of: Japan

Yokohama-shi, Japan

Takafumi Yamaji

Date: SEP. 10. 2001

Tetsuro Itakura

Citizen of: Japan

Tokyo, Japan

Tetsuro Itakura

Date:

Citizen of: Japan

Date:

Citizen of: Japan

Date:

Citizen of: Japan

Date:

Citizen of: Japan

Date:

Citizen of: Japan